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DATE MAILED: 11/20/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

31780 7590 11/20/2009 ERIC ROBINSON

PMB 955 21010 SOUTHBANK ST. POTOMAC FALLS, VA 20165 EXAMINER

FOURSON III, GEORGE R

ARTUNIT PAPER NUMBER

2823

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,616	06/12/2006	Koichiro Tanaka	0756-7733	2042

TITLE OF INVENTION: LIGHT EXPOSURE APPARATUS AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence including d below or directed oth ions.	or transmitting the IS og the Patent, advance nerwise in Block 1, by					nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDE	NCE ADDRESS (Note: Use Bl	ock 1 for any change of address				can only be used fo icate cannot be used fo , such as an assignment ling or transmission.	r domestic mailings of the or any other accompanying nt or formal drawing, must
31780	7590 11/20	/2009				of Mailing or Transi	
ERIC ROBINS PMB 955 21010 SOUTHB	ANK ST.		I S a u	hereby certify that the tates Postal Service valdressed to the Mai ansmitted to the USP	nis Fee(: with suf I Stop TO (57	s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the de	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
POTOMAC FAL	LS, VA 20165		ſ				(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/582,616	06/12/2006		Koichiro Tanaka			0756-7733	2042
TITLE OF INVENTION SAME							
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	02/22/2010
EXAMI	NER	ART UNIT	CLASS-SUBCLASS				
FOURSON III,	GEORGE R	2823	438-007000				
"Fee Address" indi- PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ondence address (or Cha /122) attached. cation (or "Fee Address' 2 or more recent) attach	nge of Correspondence "Indication form red. Use of a Customer A TO BE PRINTED ON	(I) the names of up or agents OR, altern (2) the name of a si registered attorney of 2 registered patent a listed, no name will THE PATENT (print or	ngle firm (having as a ragent) and the nam ttorneys or agents. If be printed.	a memb nes of u no nan	era 2pto	cument has been filed for
(A) NAME OF ASSIG	NEE		(B) RESIDENCE: (CI	TY and STATE OR C	COUNT	RY)	up entity 🚨 Government
Advance Order - #	o small entity discount p	permitted)	4b. Payment of Fee(s): (F A check is enclose Payment by credit The Director is her overpayment, to De	i. card. Form PTO-2038	3 is atta	ched. required fee(s), any de	
	SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no				
NOTE: The Issue Fee and interest as shown by the r	Publication Fee (if requeeords of the United Sta	uired) will not be accep tes Patent and Tradema	ted from anyone other tha rk Office.	n the applicant; a reg	istered a	attorney or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration !			
This collection of informa an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C iality is governed by 35 application form to the ons for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.311. The informa U.S.C. 122 and 37 CF USPTO. Time will va rden, should be sent to O NOT SEND FEES OF	tion is required to obtain R 1.14. This collection is ry depending upon the in the Chief Information Of the COMPLETED FORMS	or retain a benefit by lestimated to take 12 dividual case. Any colicer, U.S. Patent and TO THIS ADDRES:	the publ minutes omment Traden S. SENI	tic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Deps D TO: Commissioner t	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/582,616		06/12/2006	Koichiro Tanaka	0756-7733 2042		
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ERIC ROB	OBINSON FOURSON III, GEORGE R				I, GEORGE R	
PMB 955				ART UNIT	PAPER NUMBER	
21010 SOUTHBANK ST. POTOMAC FALLS, VA 20165				2823 DATE MAII ED: 11/20/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 732 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 732 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/582.616 TANAKA ET AL. Notice of Allowability Examiner Art Unit 2823 George Fourson

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-- This communication is responsive to the amendment filed 9/14/09. The allowed claim(s) is/are 1-9. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. \(\overline{\text{Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 6/12/06 8. X Examiner's Statement of Reasons for Allowance 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material Other .

/George Fourson/

Primary Examiner, Art Unit 2823

Application/Control Number: 10/582,616 Art Unit: 2823

The following is an examiner's statement of reasons for allowance: The prior art taken alone or in combination neither discloses nor makes obvious to one of ordinary skill in the art emitting a light, obtaining scattering intensities with the reflected light, detecting a plurality of regions using the scattering intensities and conducting light exposure of an arbitrary region among the regions. Note that Adachi 6281470 identifies areas based on image analysis. Japan 2000-114174 detects light from a single area to characterize the wafer and adjust laser intensity to be used. Imahashi et al 5413958 detect reflected light from only a single area being processed (laser annealed) to perform adjustment of the laser intensity.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Fourson whose telephone number is (571) 272-1860. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith, can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Application/Control Number: 10/582,616 Page 3

Art Unit: 2823

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/George Fourson/ Primary Examiner, Art Unit 2823

GFourson November 19, 2009